VERMONT

VERMONT CENTER FOR GEOGRAPHIC INFORMATION

VERMONT MUNICIPAL DAY 2019

STATEWIDE PARCEL PROGRAM

vcgi.vermont.gov/parcels

geodata.vermont.gov

Tim Terway

tim.terway@vermont.gov

VCGI
We've moved!
New Address:
133 State Street
Montpelier, VT 05602
Same websites, same services

WHAT VCGI DOES

BUILD

Foundational Datasets

(Spatial Data Infrastructure)

LEAD

Development and use of Statewide Geographic Information System (GIS)

EMPOWER

Data analysis, visualization and informed decision making

VCGI

FEDERATED DATA

DATA DOWNLOAD

APPS

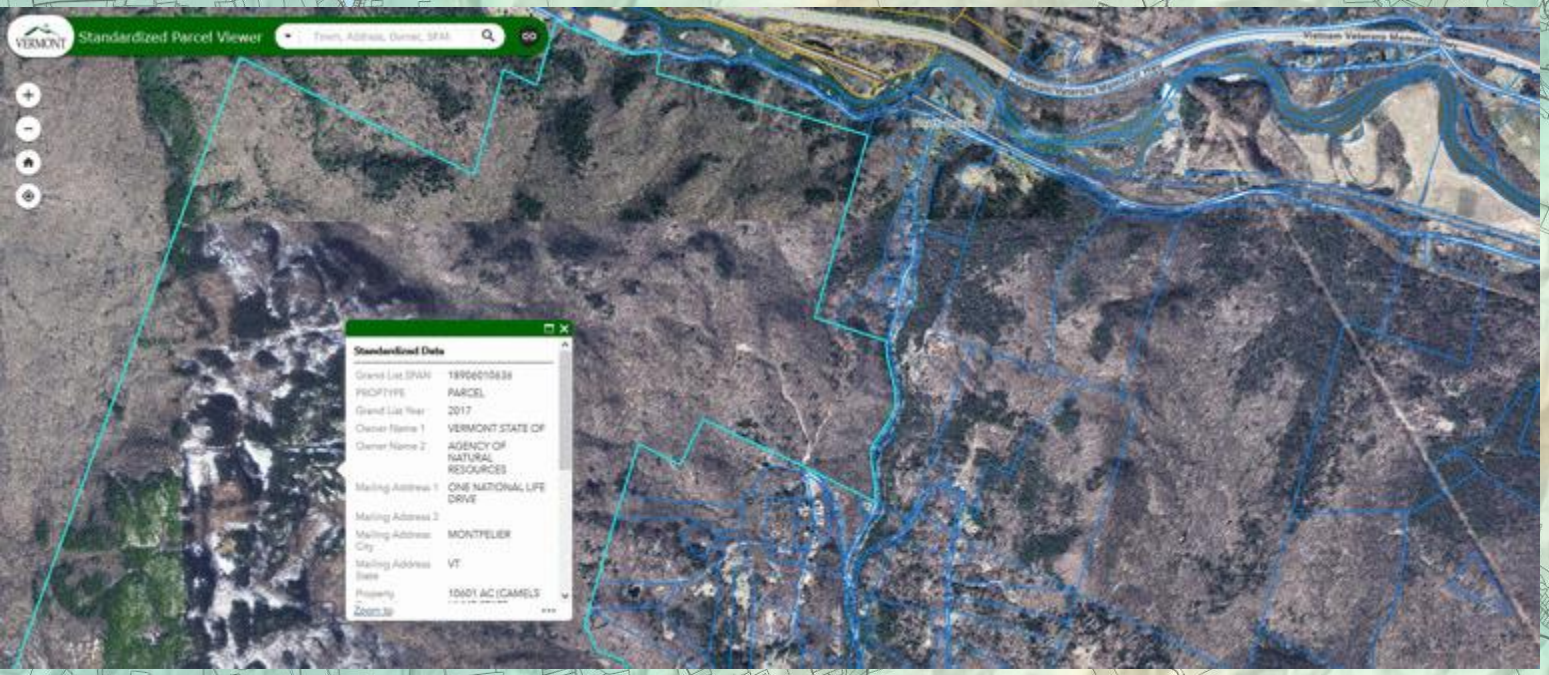
LIKE NETFLIX FOR MAPS

SERVICES

Photo Credit: Taylor Vick

VCGI

PARCEL PROGRAM



2017: 58% GL match

2019: 99% GL match

VCGI

tps://vcgi.vermont.gov/parcels

VERMONT OFFICIAL STATE WEBSITE

VERMONT

AGENCY OF DIGITAL SERVICES

Vermont Center for Geographic Information

SEARCH

CONTACT

- Data and Programs
  - Parcel Program
    - Parcel Advisory Board
  - Lidar Program
  - Imagery Program
  - Data Status
  - Share Map Data
- Resources
- Maps
- Partners
- About VCGI

PARCELS PROGRAM FAQ | VIEW PARCEL DATA | ACCESS PARCEL DATA

PARCEL PROGRAM

Parcel mapping in Vermont is undertaken and overseen by each municipality, who may perform annual map es on their own or hire vendors to maintain. VCGI does not create or maintain parcel data but instead nates the collection of the best available digital parcel data from municipalities in GIS format and ishes that as both a statewide layer and one for each municipality. VCGI also develops the data standards, templates, and digital parcel mapping guidelines by which digital GIS parcel data is organized and managed.

The Vermont Agency of Transportation (VTrans) is funding the creation or update of digital GIS parcel data for all of Vermont's municipalities in three phases over a three year period (2017-2019). This project will create a statewide, consistent, and up-to-date GIS database of currently documented parcel boundaries that is joinable with the grand list. This effort is overseen by the parcel advisory board.

Once the initial three year project is complete in December 2019, an ongoing maintenance program led by the Vermont Center for Geographic Information will support the annual updating of the data created by the project. VCGI makes digital parcel data available to all via download, (by municipality), web services, and online mapping applications.

This page provides information about the initial three-year effort to develop the standardized, grand-list joinable data, as well as the ongoing maintenance program.

Program Info:
vcgi.vermont.gov/parcels

Map Applications

- Vermont Interactive Map Viewer
- Vermont Parcel Viewer
- Available Municipal Parcel Data
- Vermont Orthoimagery Finder
- Vermont Orthoimagery Status
- Vermont Lidar Finder
- Vermont Lidar Status

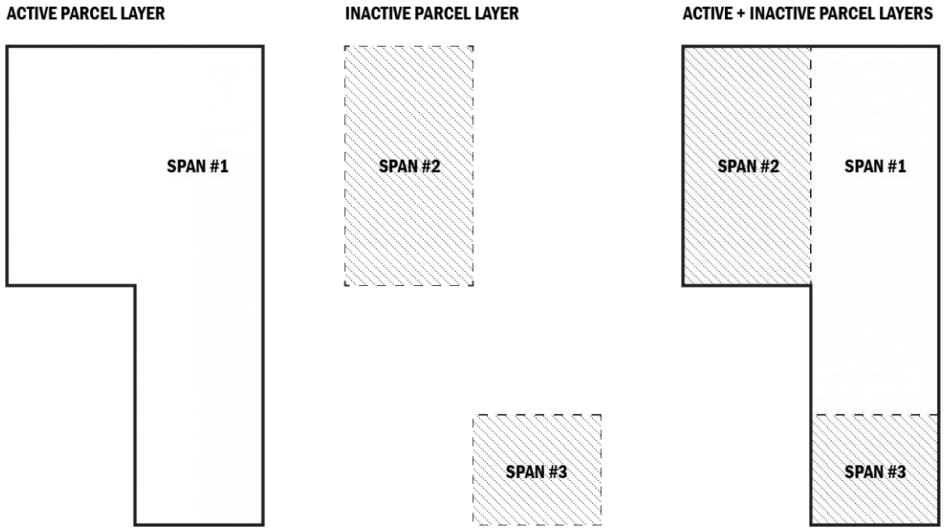
GENERAL | FOR USERS

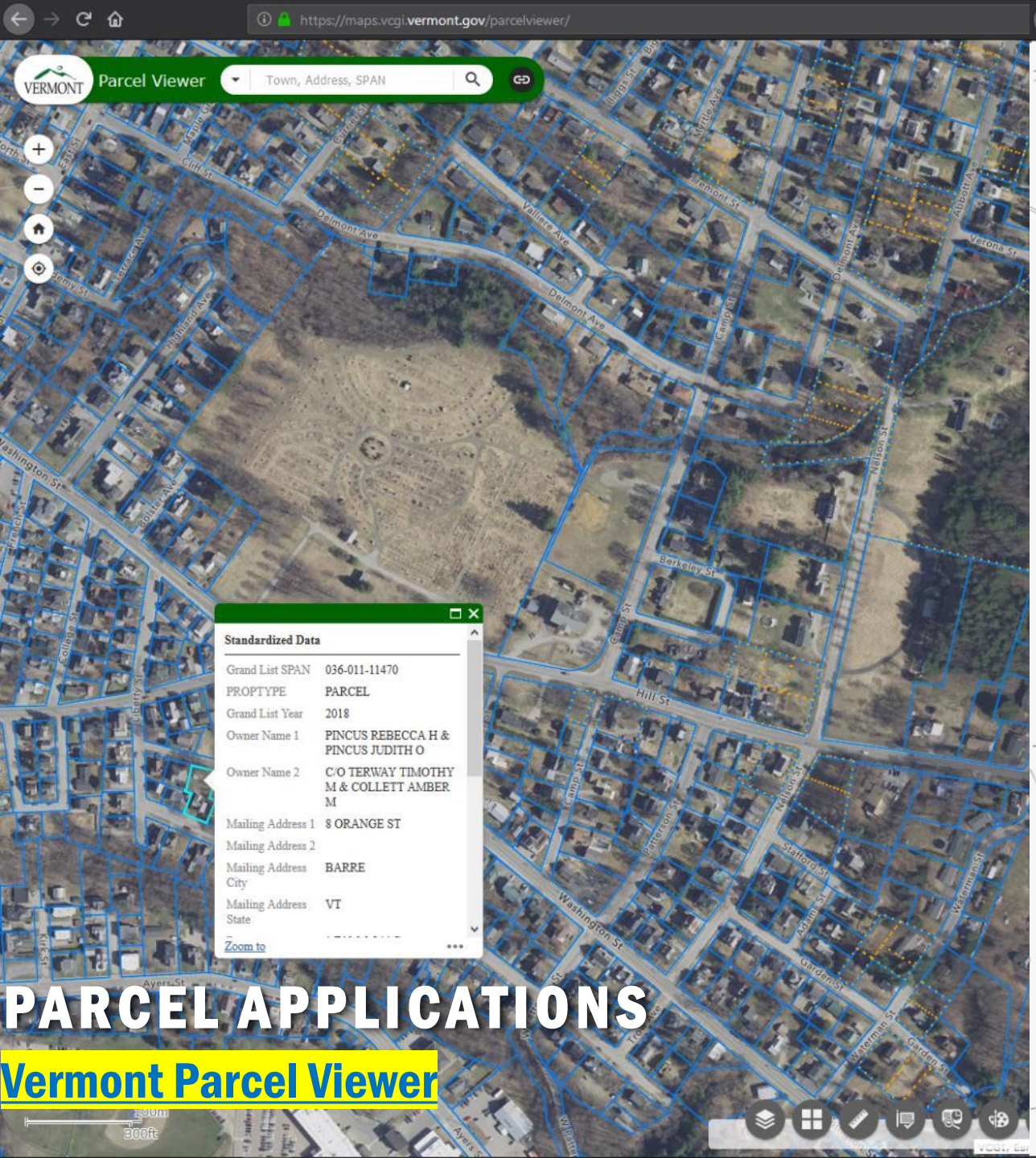
FOR MUNICIPALITIES | MAPPING PROFESSIO

PARCEL PROGRAM FAQ'S

- What is parcel data?
- Who is responsible for creating and maintaining parcel data?
- What is the statewide property parcel mapping project?
- Why are standardized digital parcel data useful?
- How is the statewide property parcel mapping project funded?
- How can I access and view Verm
- What can standardized, grand li parcel data be used for?
- How will the initial 3-year (2017 mapping project affect my town
- Will municipal officials have the the data before it is published?
- What should a town look for wh

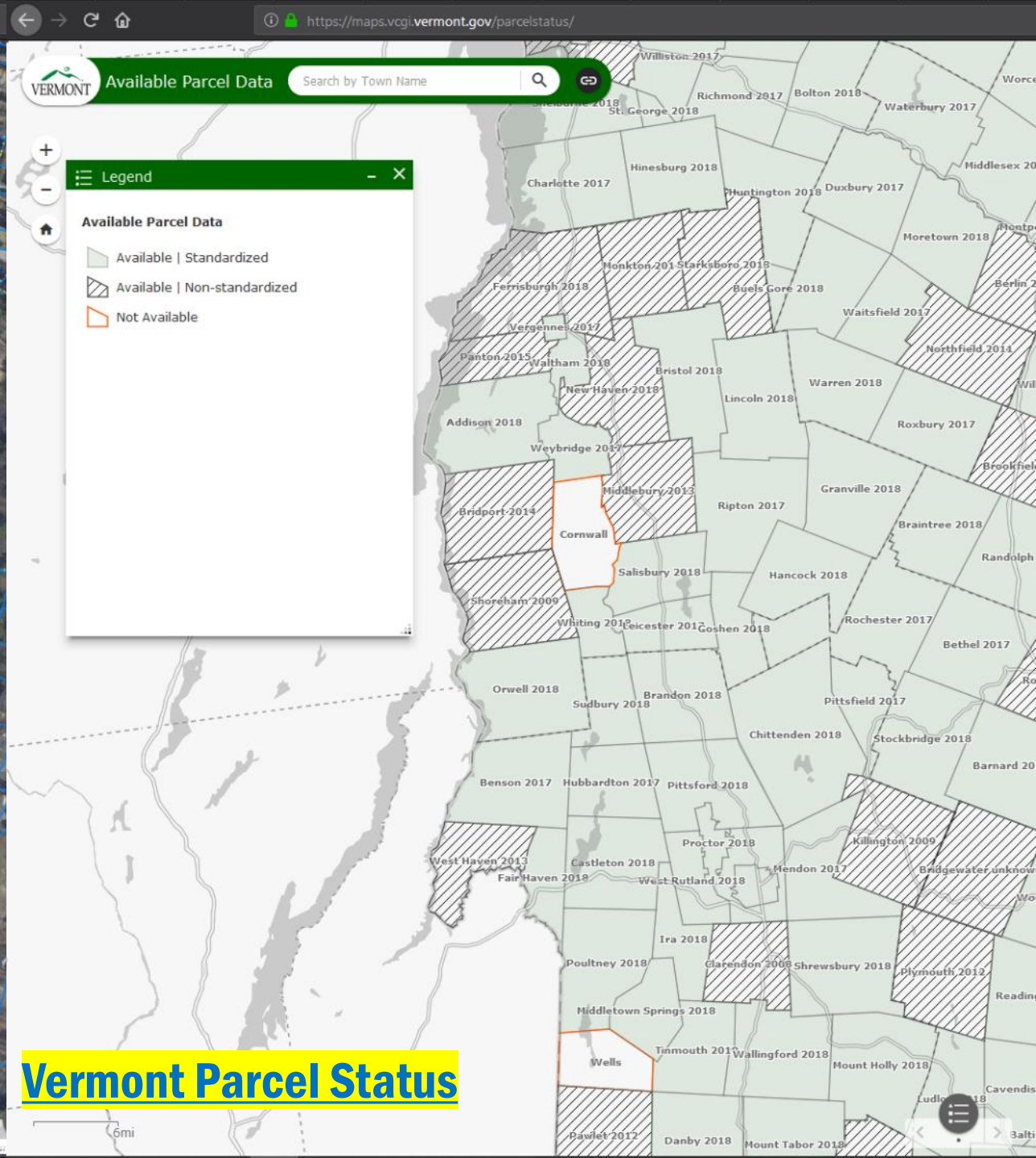
***ALL 3 PARCELS HAVE THE SAME OWNER**



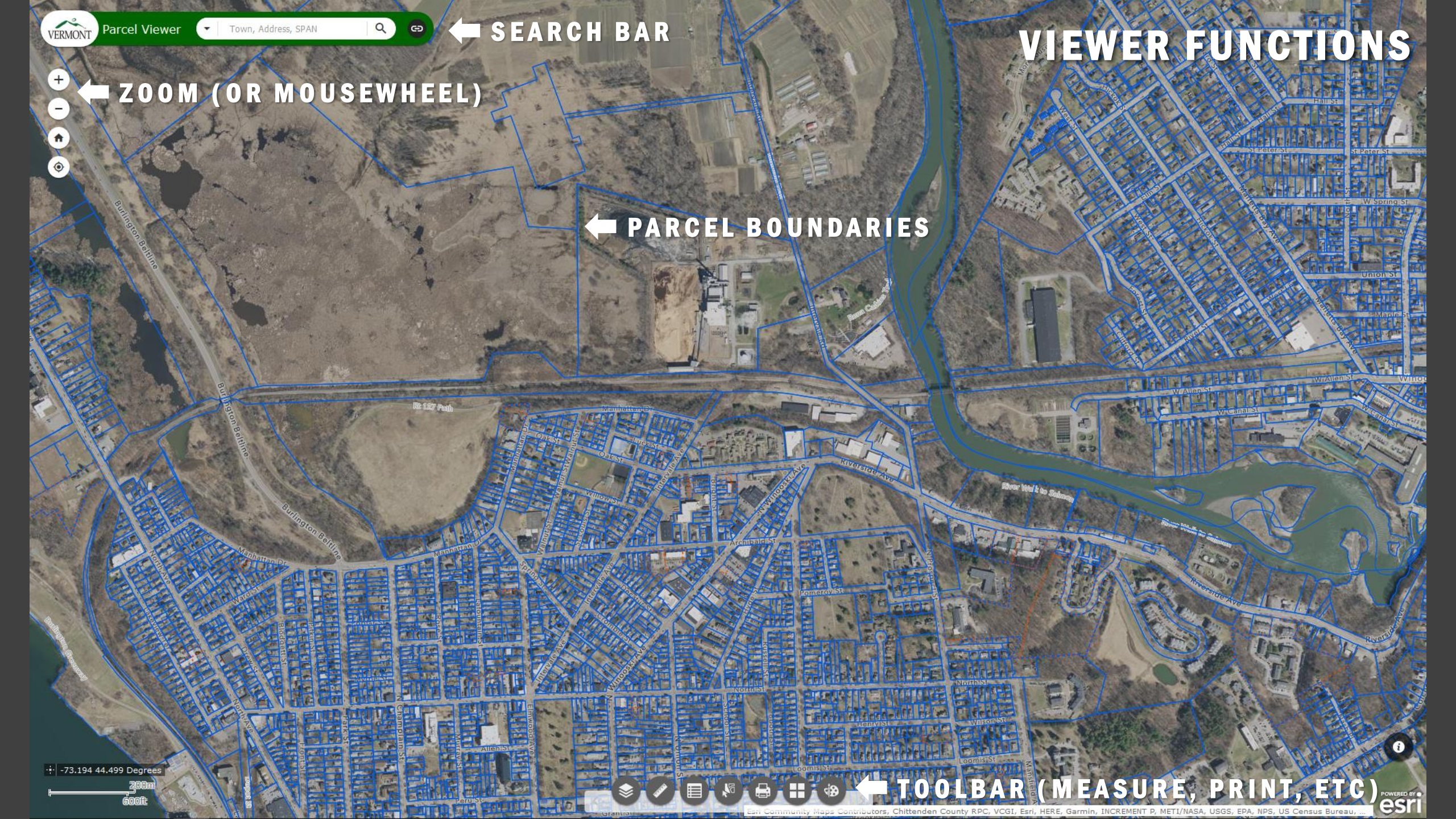


PARCEL APPLICATIONS

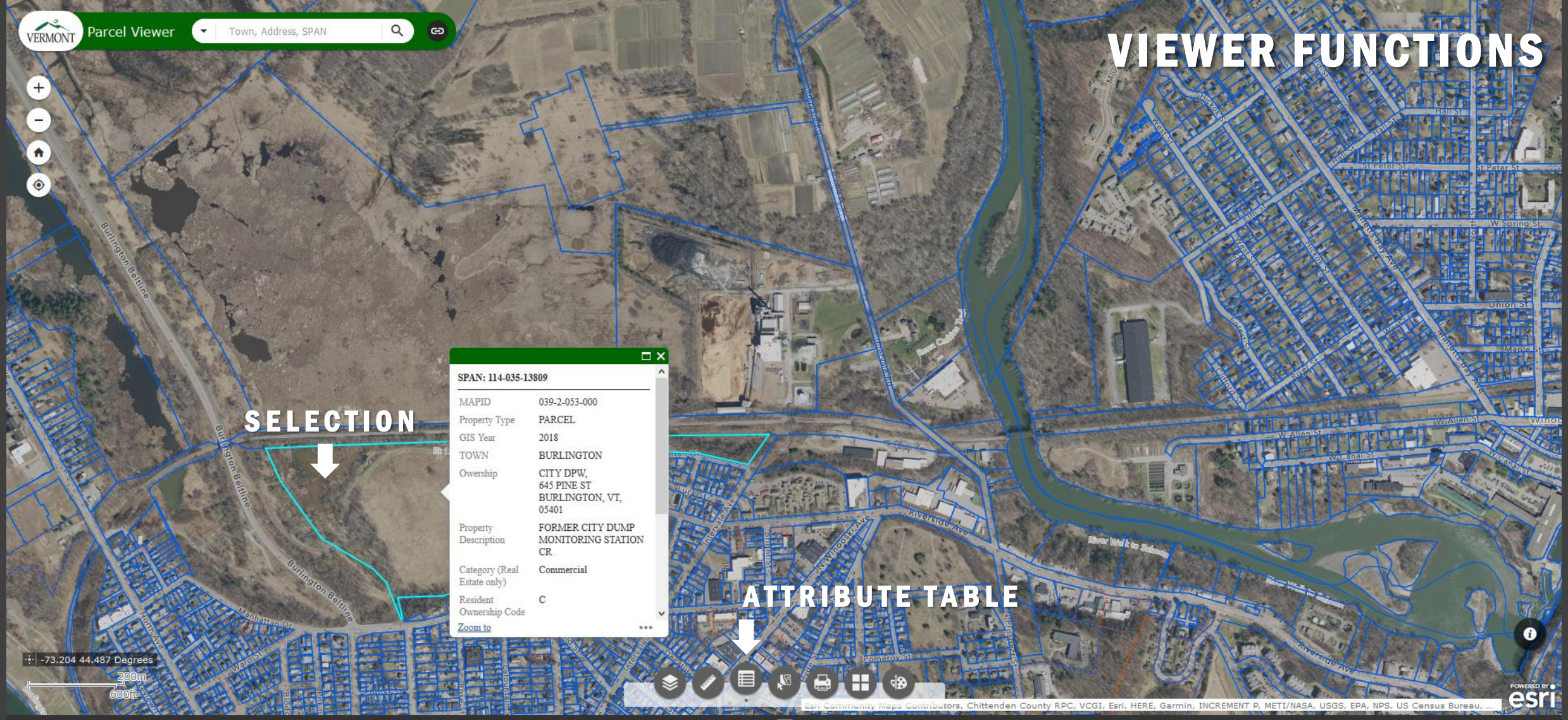
[Vermont Parcel Viewer]



[Vermont Parcel Status]


Parcel Viewer
Town, Address, SPAN
SEARCH BAR
VIEWER FUNCTIONS
ZOOM (OR MOUSEWHEEL)
PARCEL BOUNDARIES
TOOLBAR (MEASURE, PRINT, ETC)
-73.194 44.499 Degrees
200m
600ft
Esri Community Maps Contributors, Chittenden County RPC, VCGI, Esri, HERE, Garmin, INCREMENT P, METI/NASA, USGS, EPA, NPS, US Census Bureau,
POWERED BY esri

VERMONT
Parcel Viewer
Town, Address, SPAN
VIEWER FUNCTIONS
SELECTION INFO
SELECTION
SPAN: 114-035-13809
MAPID 039-2-053-000
Property Type PARCEL
GIS Year 2018
TOWN BURLINGTON
Owership CITY DPW, 645 PINE ST BURLINGTON, VT, 05401
Property Description FORMER CITY DUMP MONITORING STATION CR
Category (Real Estate only) Commercial
Resident Ownership Code C
Zoom to
'VIEW IN ATTRIBUTE TABLE'
-73.194 44.495 Degrees
200m
600ft
Esri Community Maps Contributors, Chittenden County RPC, VCGI, Esri, HERE, Garmin, INCREMENT P, METI/NASA, USGS, EPA, NPS, US Census Bureau,
POWERED BY esri



VTPARCELS Town Data Status | VTPARCELS nonstandardized | VTPARCELS standardized inactive | VTPARCELS standardized parcels

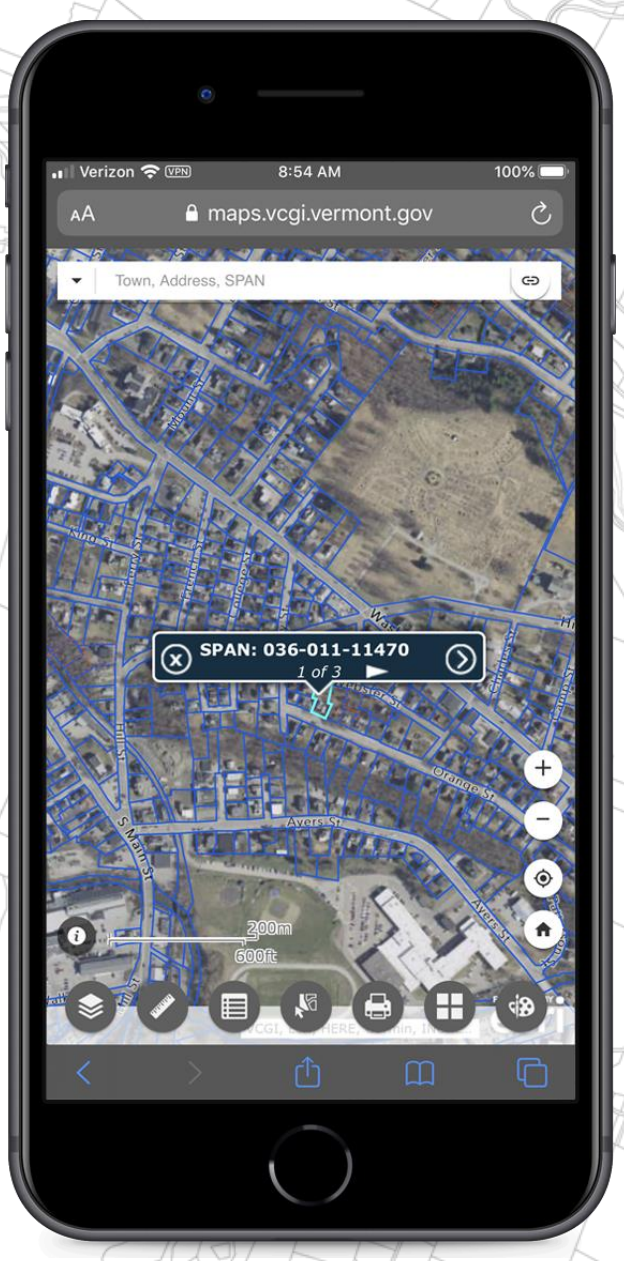
GRAND LIST FIELDS OF SELECTION

Options | Filter by map extent | Zoom to | Clear selection | Refresh

MAPID	PROPTYPE	GIS Year	TOWN	Property Description	Category (Real Estate only)	Resident Ownership Code	Total Acres	Listed Real Value (Full)	Listed Value of Land	Listed Value of Improvements	Homestead Declared (Y/N)	Owership
039-2-053-000	PARCEL	2018	BURLINGTON	FORMER CITY DUMP MONITORING STATION CR	Commercial	C	37.70	521,200	508,600	12,600	N	CITY DPW, 645 PINE ST BURLINGTON, VT, 05401

1 features 0 selected

VIEWER FUNCTIONS



PARCEL LAYER IS ZOOM-DEPENDENT

PINCH / SWIPE TO ZOOM OR

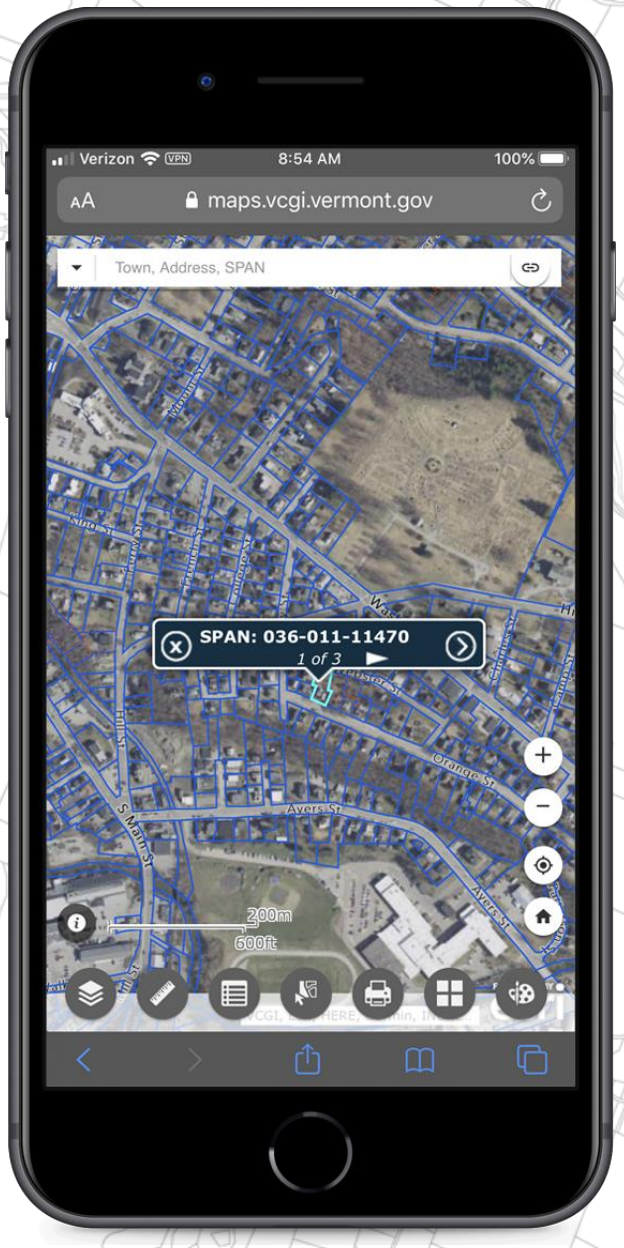
USE SEARCH BAR TO NAVIGATE

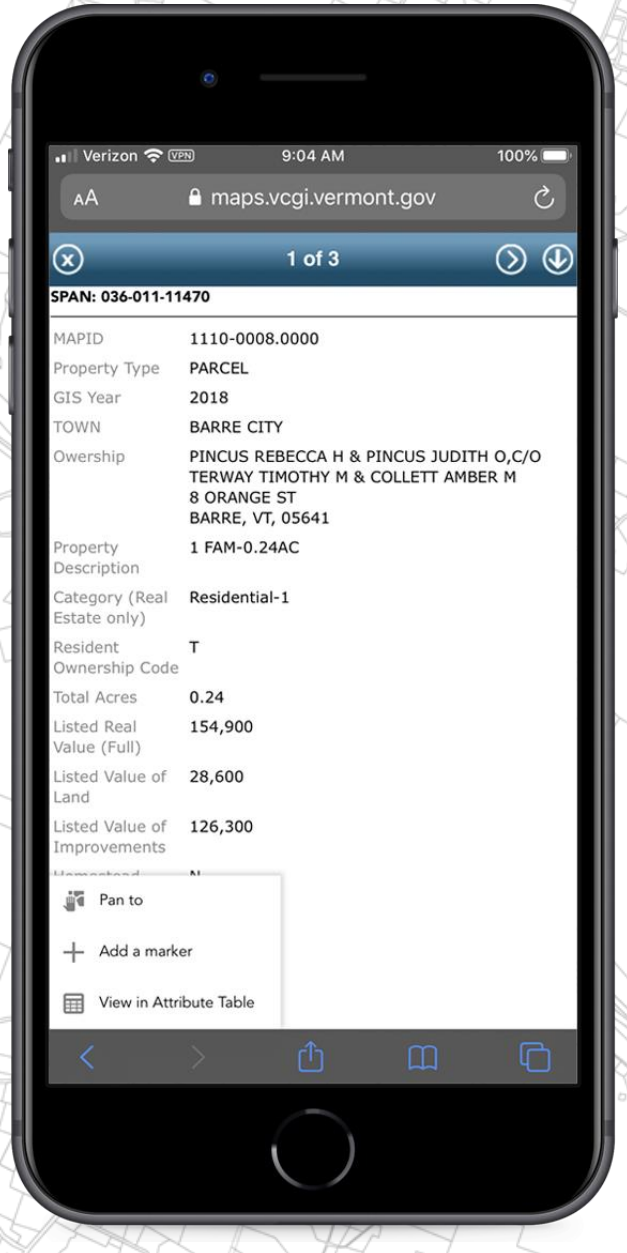
TOUCH PARCEL TO SELECT

TOUCH ARROW FOR MORE INFO

VCGI

VIEWER FUNCTIONS





SCROLL THROUGH ATTRIBUTES

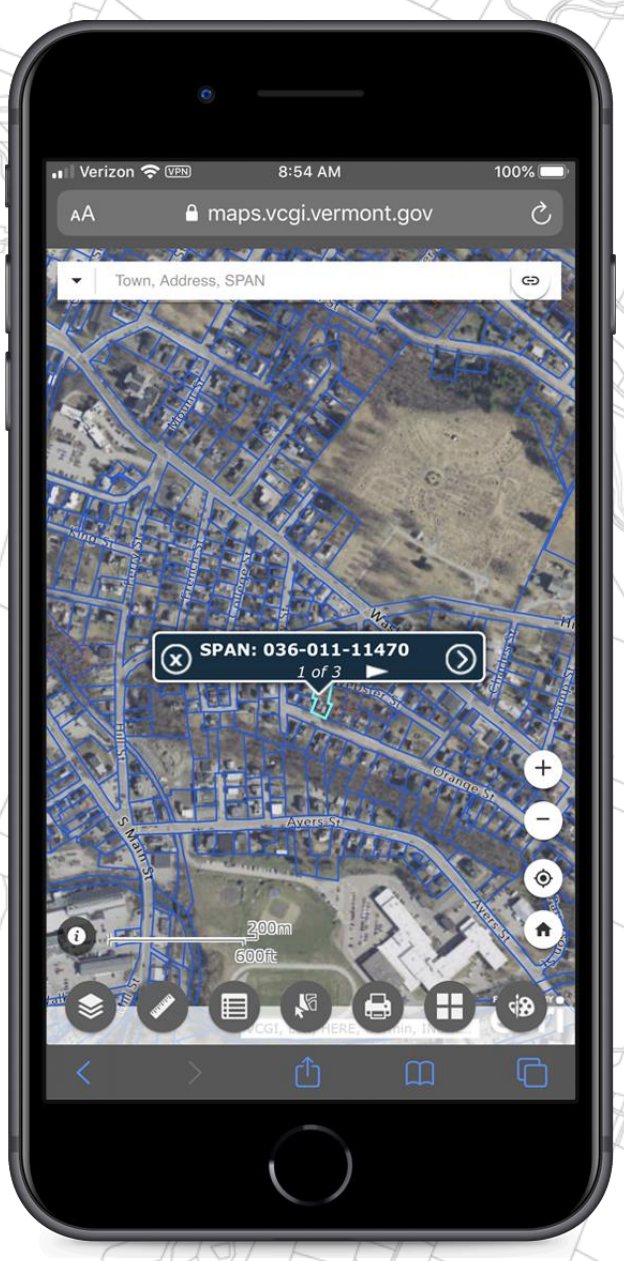
ADD MARKER IF INTERESTED

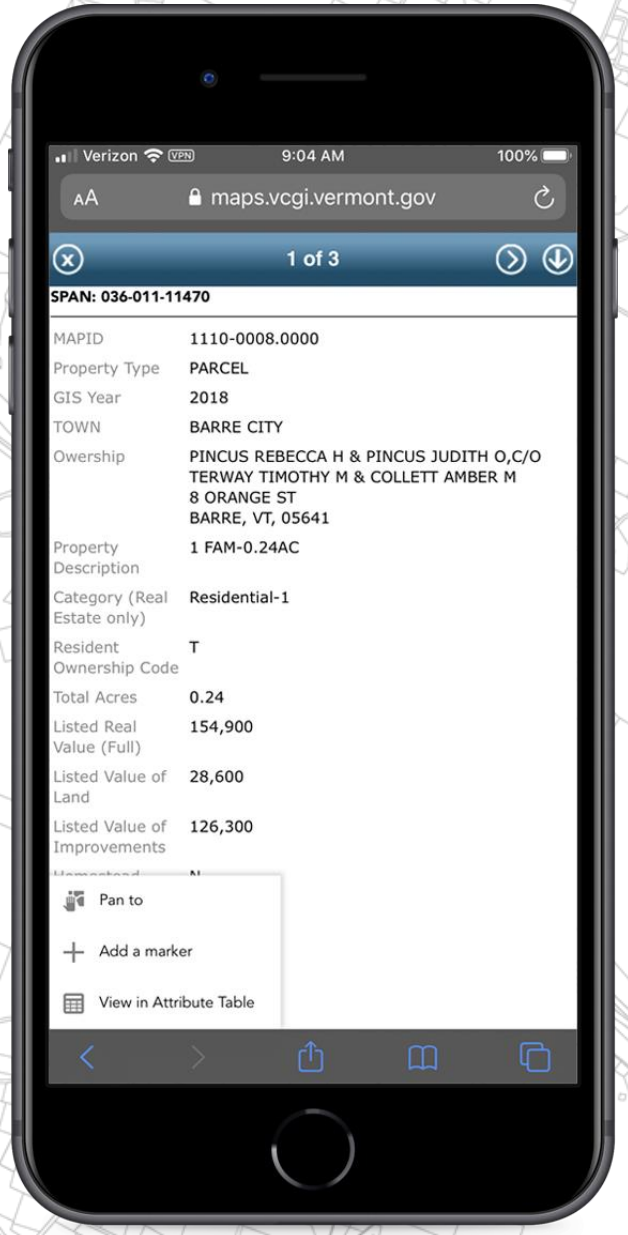
VIEW ALL FIELDS IN ATTRIBUTE TABLE

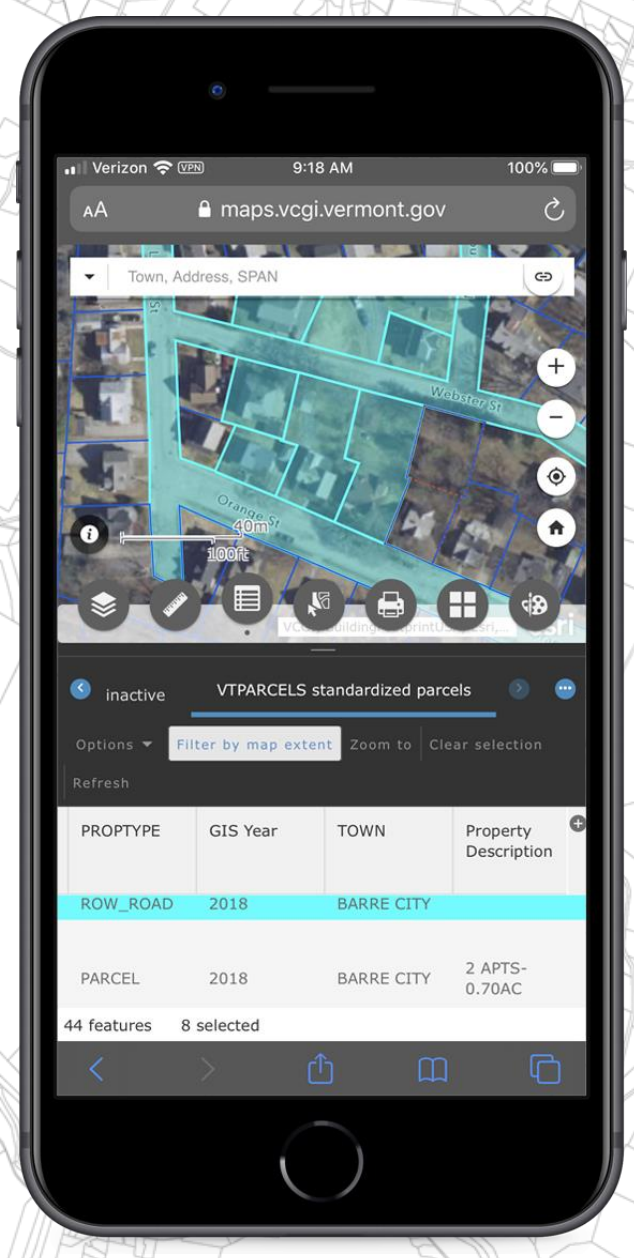
VCGI

SELECT ABUTTING PARCELS, VIEW ATTRIBUTES

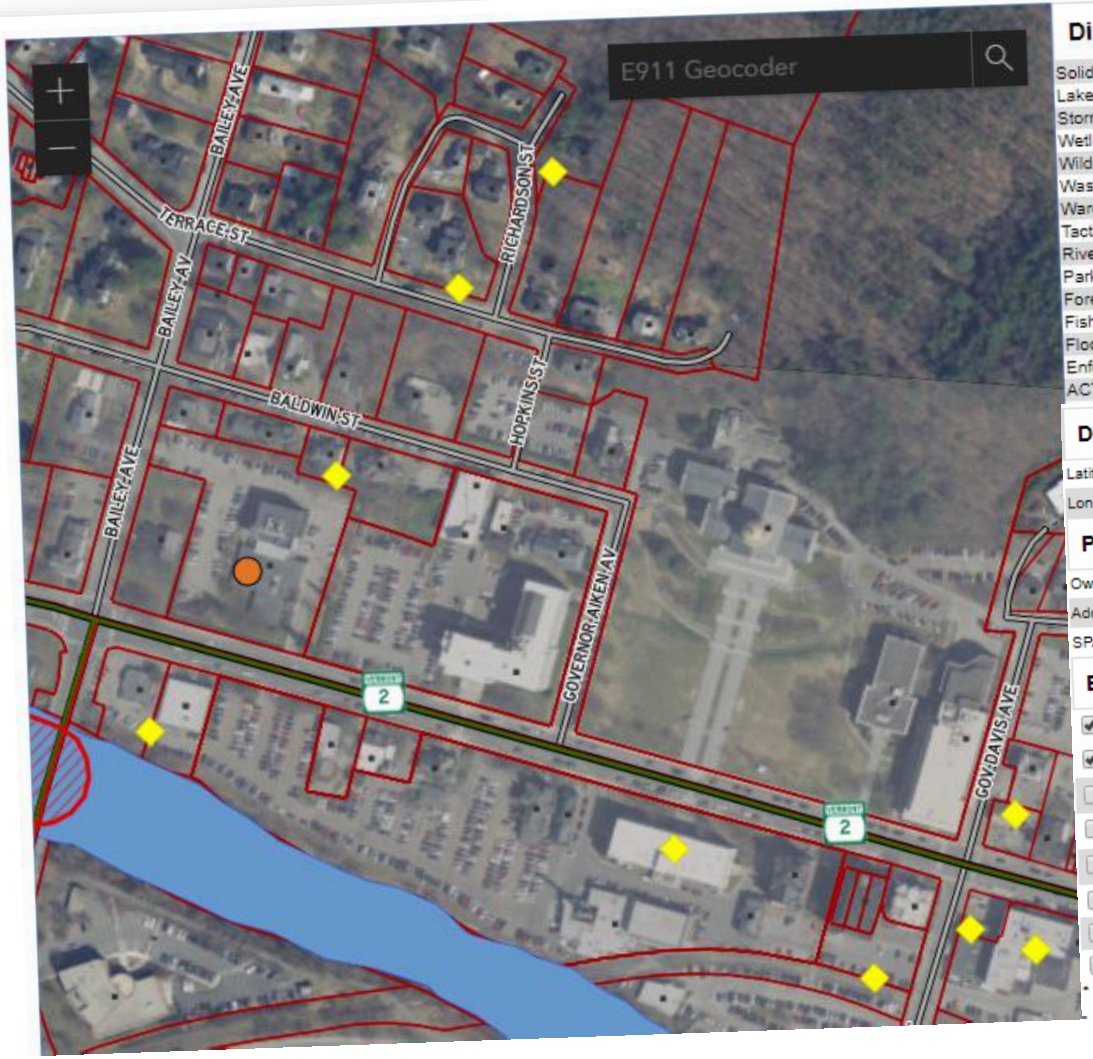
VIEWER FUNCTIONS







VCGI



District/Program	Contact	Phone	E-mail
Solid Waste Entity	Central Vermont SWMD	(802) 229-9383	
Lake Shoreland Scientist	Lindsay Miller	(802) 490-6200	lindsay.miller@vermont.gov
Stormwater	Terry Purcell	8024906166	Terry.Purcell@vermont.gov
Wetland Ecologist	Shannon Morrison	8024906178	Shannon.Morrison@vermont.gov
Wildlife Biologist	John Austin	802-476-0197	John.Austin@vermont.gov
Wastewater	Carl Fuller	802-505-3938	Carl.Fuller@vermont.gov
Warden	Paul Brown	802-229-9191	Paul.Brown@vermont.gov
Tactical Basin Planner	Karen Bates	802-490-6144	Karen.Bates@vermont.gov
Rivers Management Engineer	Jaron Borg	802-371-8342	Jaron.Borg@vermont.gov
Parks	Susan Bulmer	802-476-0181	Susan.Bulmer@vermont.gov
Forestry	Ginger Anderson	802-522-0844	Ginger.Anderson@vermont.gov
Fisheries	Bret Ladago	802-485-7566	Bret.Ladago@vermont.gov
Floodplain Management	Ned Swanberg, CFM	(802) 490-6160	ned.swanberg@vermont
Enforcement	Ryan McCall	802-793-3936	Ryan.McCall@vermont.gov
ACT250	Susan Baird	802-476-0134	Susan.Baird@vermont.gov

Decimal Degrees		State Plane Meters	
Latitude:	44.26238934640186	SPM Y:	195797.17472428642
Longitude:	-72.58366723060483	SPM X:	493319.3493432738

Property Information

Owner:	UNION MUTUAL FIRE INS CO
Address:	139 STATE ST. MONTPELIER, 05602
SPAN:	405-126-13122

Environmental Information

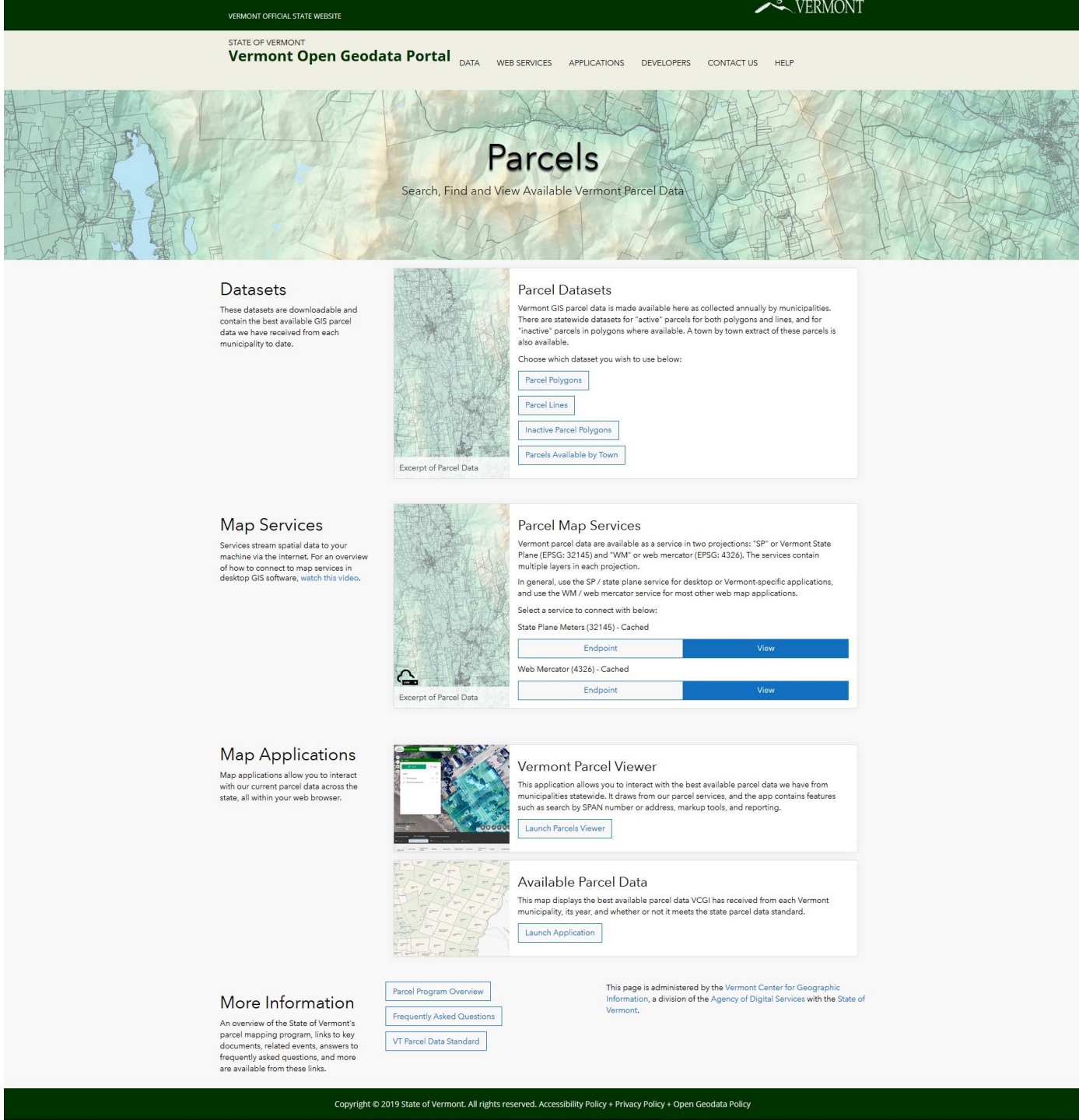
- [x] Watershed: Tributaries to Upper Mid-Winooski WBID: VT08-06
- [x] Floodzone: Yes, Flood Zone: AE Floodway: [ ] River Corridor: [ ]
- [ ] Lake Shoreland: [ ] 100' Setback. [ ] 250' Setback.
- [ ] Hazwaste Site(s)* - 0 Land Use Restriction(s):
- [ ] Wetland Index - [ ] Permitted Site [ ] ClassII Site [ ] Hydric Soil [ ] VSWI [ ] Advisory
- [ ] Rare Species: Element Occurence ID:
- [ ] Sig. Natural Community: Element Occurence ID:
- [ ] Source Protection Area:

* Hazardous Waste Sites within 1000' of marked location.

BONUS

geodata.vermont.gov/pages/parcels

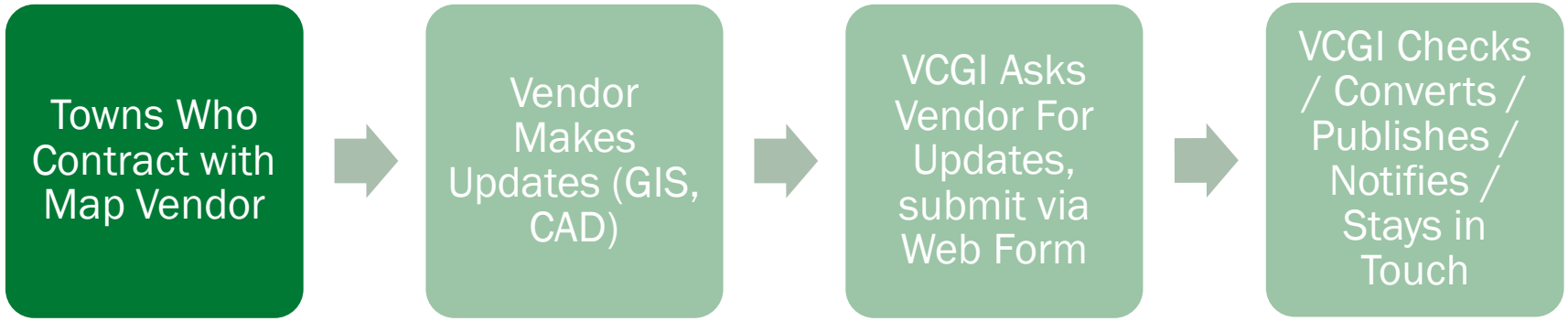
Where parcel data lives



“Shared Responsibility Model” – Ongoing Parcel Maintenance Plan

Type 1

- ~50% - 66% of Towns
  - (~127-170)
- Not all w/ GIS services



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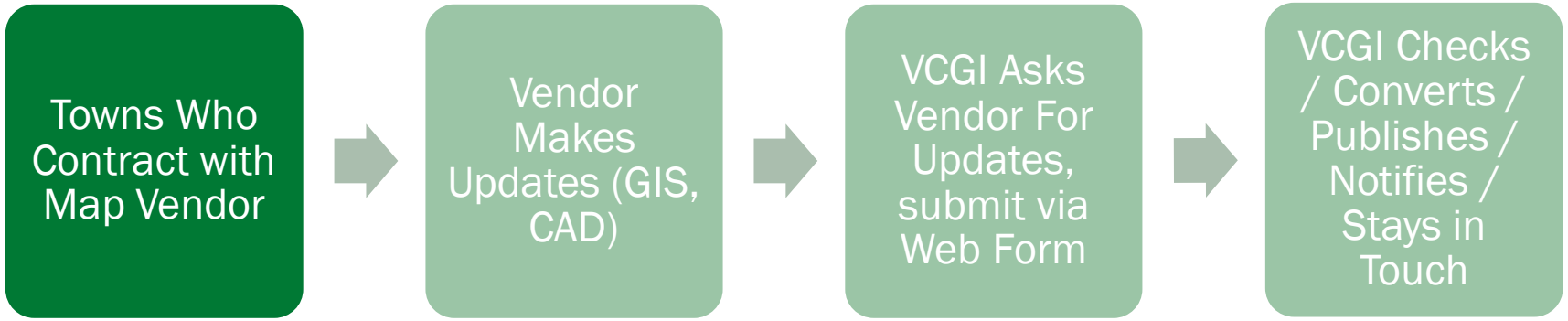

Type 2

- ~3% of Towns
- Practices vary widely

“Shared Responsibility Model” – Ongoing Parcel Maintenance Plan

Type 1

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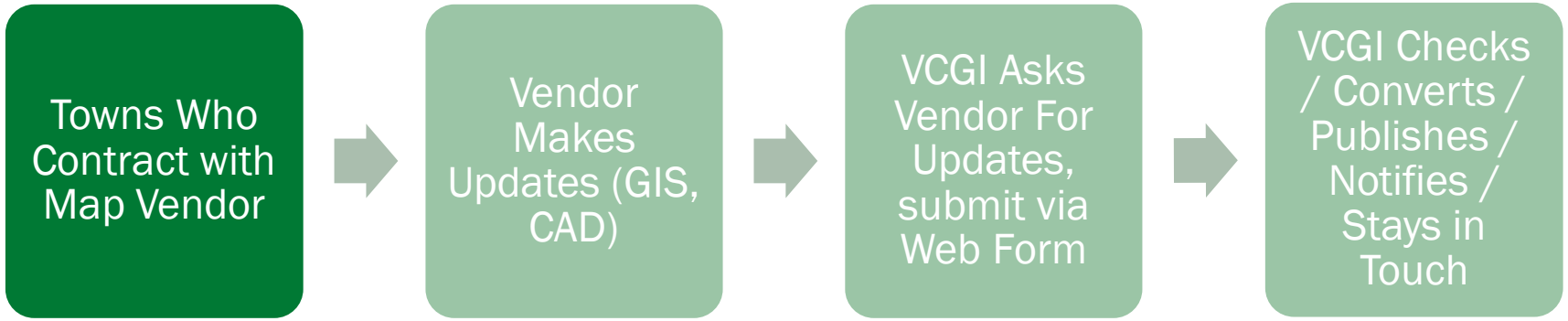
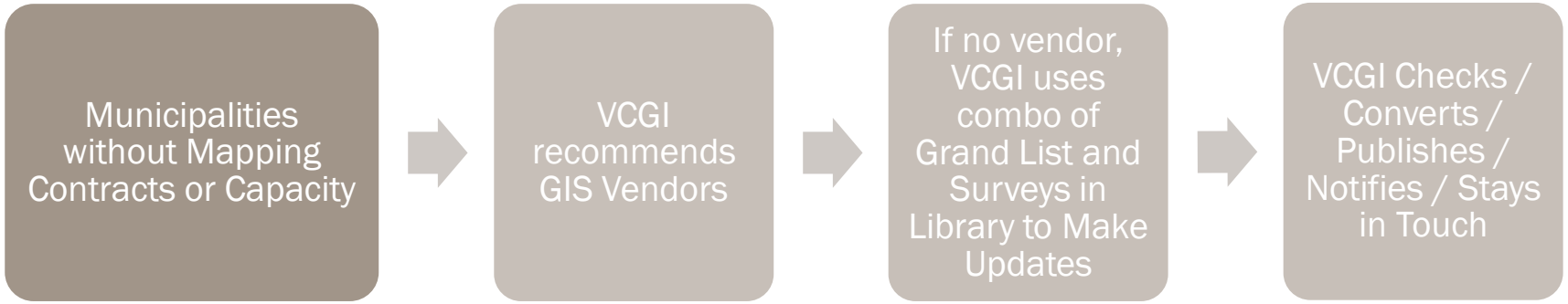


Type 2

- ~3% of Towns
- Practices vary widely

Type 3

- ~33% to 50% of towns
  - (~85-127)
- Persistent limited resources



1

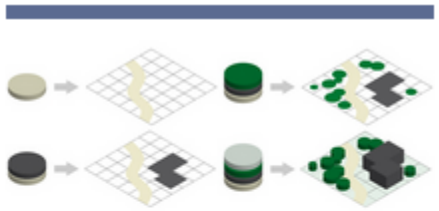
https://vcgi.vermont.gov

VERMONT OFFICIAL STATE WEBSITE

AGENCY OF DIGITAL SERVICES

Vermont Center for Geographic Information

2



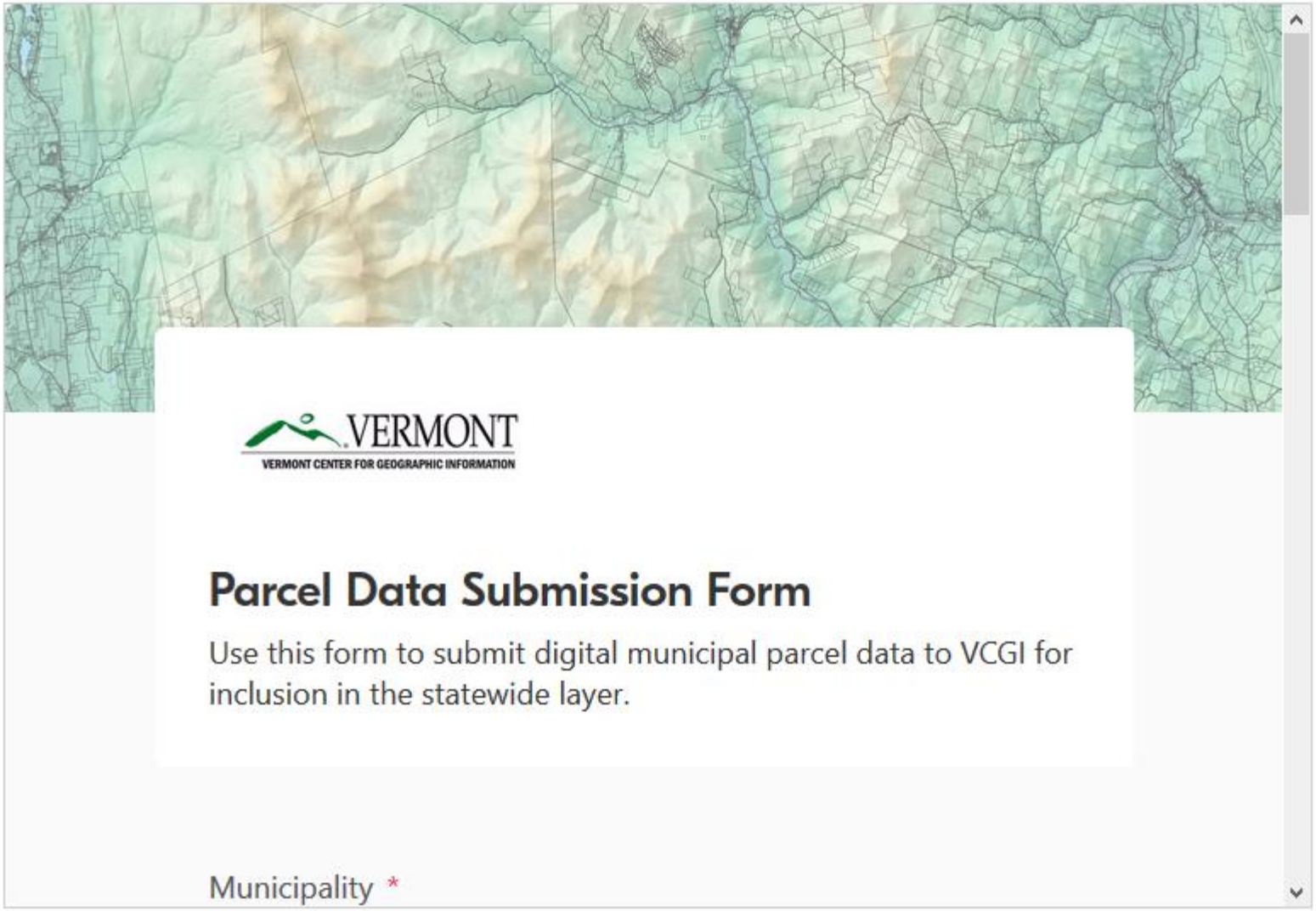
Learn about contributing your group or town's geospatial data

SHARE MAP DATA

3

Program-Specific GIS Data Submission Forms

Parcel Program - Municipal Parcel Data Update Submission Form



CURRENT MAPPING CAPACITY
Contract CAD Vendor Count 9

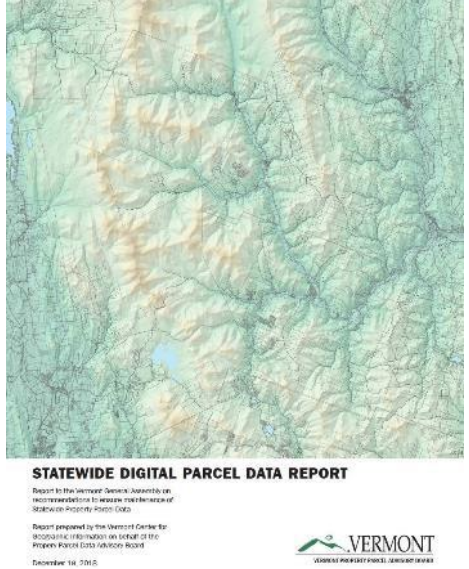
										n 45016708650		
1	Albany	2019	Atlas Geographic	Brow Survey and Engineer	2018	Yes		Contract CAD Vendor	Northern Vermont Development Associatio	5001900475	No	Cathy Wilder, Susan Richardson
2	Athens	2018	Sebago	DiBernardo	2018	Yes		Contract CAD Vendor	Windham Regional Commission	5002501900	No	Sandi Capponcelli
3	Berkshire	2018	CAI	Barnard and Gervais	2018	Yes		Contract CAD Vendor	Northwest Vermont Regional Planning Com	5001105425	No	Emily Fecteau
4	Bristol	2018	SGC	LaRose Survey	2018	Yes		Contract CAD Vendor	Addison County Regional Planning Commis	5000109025	No	Craig Scribner
5	Brookline	2019	CTI	DiBernardo	2018			Contract CAD Vendor	Windham Regional Commission	5002509475	No	Marsha Omand, Shelia Gokey
6	Canaan	2019	Atlas Geographic	Landvest	2018			Contract CAD Vendor	Northern Vermont Development Associatio	5000911800	No	Diana Rancourt, Noreen Labrecque
7	Grafton	2019	CTI	DiBernardo	2018	Yes		Contract CAD Vendor	Windham Regional Commission	5002528900	No	Nancy Merrill, Hardy Merrill
8	Rockingham	2018	Sebago	DiBernardo	2018	Yes		Contract CAD Vendor	Windham Regional Commission	5002560250	No	Chuck Wise, Camilla Roberts
9	Westminster	2018	Sebago	DiBernardo	2018	Yes		Contract CAD Vendor	Windham Regional Commission	5002581400	No	Russell Hodgkins

CURRENT MAPPING CAPACITY
Contract GIS Vendor Count 142

										7102099420...		
10	Addison	2019	CAI	CAI	2018	Yes		Contract GIS Vendor	Addison County Regional Planning Commis	5000100325	No	Billy Jo Forgues, Marilla Webb
11	Arlington	2017	CTI	CTI	2017	Yes		Contract GIS Vendor	Bennington County Regional Commission	5000301450	No	Lee Cross
12	Barnard	2019	CAI	CAI	2018	Yes		Contract GIS Vendor	Two Rivers Ottauquechee Regional Commi	5002702725	No	Richard Lancaster, Lois Resseguie
13	Barnet	2019	CAI	CAI	2018	Yes		Contract GIS Vendor	Northern Vermont Development Associatio	5000502875	No	Benjamin Heisholt, Joan Cook
14	Barre City	2018	CAI	CAI	2018	Yes		Contract GIS Vendor	Central Vermont Regional Planning Commi	5002303175	No	Kathryn Bramman, Janet Shatney
15	Barre Town	2019	CAI	CAI	2018	Yes		Contract GIS Vendor	Central Vermont Regional Planning Commi	5002303250	No	Chris Violette
16	Barton	2018	SGC	Russell Graphics	2018	Yes		Contract GIS Vendor	Northern Vermont Development Associatio	5001903550	No	Kristin Atwood
	Berlin	2019	CTI	CTI	2018			Contract GIS Vendor	Central Vermont Regional Planning Commi	5002305650	No	Corinne Stridsberg, Dana Hadley
18	Bolton	2018	Russell Graphics	Russell Graphics	2018	Yes		Contract GIS Vendor	Chittenden County Regional Planning Comr	5000706550	No	Amy Grover
19	Braintree	2018	Russell Graphics	Russell Graphics	2018	Yes		Contract GIS Vendor	Two Rivers Ottauquechee Regional Commi	5001707600	No	Jackson Evans
20	Brandon	2018	Russell Graphics	Russell Graphics	2018	Yes		Contract GIS Vendor	Rutland Regional Planning Commission	5002107750	No	Dave Atherton
21	Bridport	2019	Atlas Geographic	RJ Turner	2018			Contract GIS Vendor	Addison County Regional Planning Commis	5000108575	No	Irene Zacor, Valerie Bourgeois, Ed Payne
22	Brighton	2018	NEMRC	NEMRC	2018	Yes		Contract GIS Vendor	Northern Vermont Development Associatio	5000908725	No	Joel Cope, Alan Wing
23	Brookfield	2019	SGC	Avitar	2018			Contract GIS Vendor	Two Rivers Ottauquechee Regional Commi	5001709325	No	Teresa Godfrey, Stuart Edson
24	Brownington	2019	Russell Graphics	Russell Graphics	2018			Contract GIS Vendor	Northern Vermont Development Associatio	5001909850	No	Val Faust, Larry Chase

255 records 1275386943...

Help us keep tabs on who is working with who on what, when



Parcel Advisory Board Report

Report to the Vermont General Assembly on recommendations to ensure maintenance of Statewide Property Parcel Data

December 2018

H.526
Act 38

SUMMARY OF RECOMMENDATIONS

1. Create a single statewide survey library for digital copies of survey plats	
a.	Require surveyors to submit digital copies of surveys prepared for recording in accordance with 27 V.S.A. § 1401-1404 to the library
b.	Historical and as-built land surveys may be added to the library by surveyors over time, but are not required
2. Require the recording of plats for changes in property lines and subdivisions	
a.	Require survey plats of new or modified lines in subdivisions and boundary line adjustments
3. Integrate parcel data with property information management system software	
a.	Link parcel data and allow for its updating by municipal officials within property information management system software
b.	Evaluate possibility of requiring updates to town parcel information to be submitted and/or validated with the annual submittal of their grand list
4. Implement a maintenance plan with shared state and local responsibilities	
a.	Create a streamlined form and process for parcel data submission
b.	Consider designating a parcel coordinator for the state and each Regional Planning Commission
c.	Evaluate incentives for ongoing municipal maintenance of data that meets the parcel data standard, such as the modification of reappraisal payments
d.	Evolve contents of parcel data standard with incorporation of enhancements
e.	Maintain relationships with professionals associated with parcel data creation and upkeep
5. Transition Parcel Program to the Vermont Center for Geographic Information	
a.	Amend 19 V.S.A. § 44 and/or 10 V.S.A. § 123 to transfer oversight of long-term parcel maintenance from VTrans to VCGI in July 2020

1. a. Require surveyors to submit digital copies of surveys prepared for recording in accordance with 27 VSA § 1401-1404 to the library

   b. Historical and as-built land surveys may be added to the library over time, but are not required

H.526

Act 38

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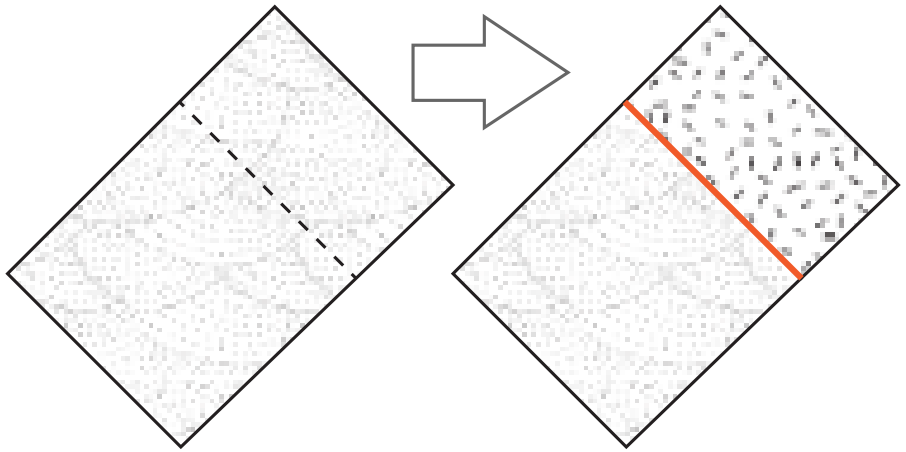
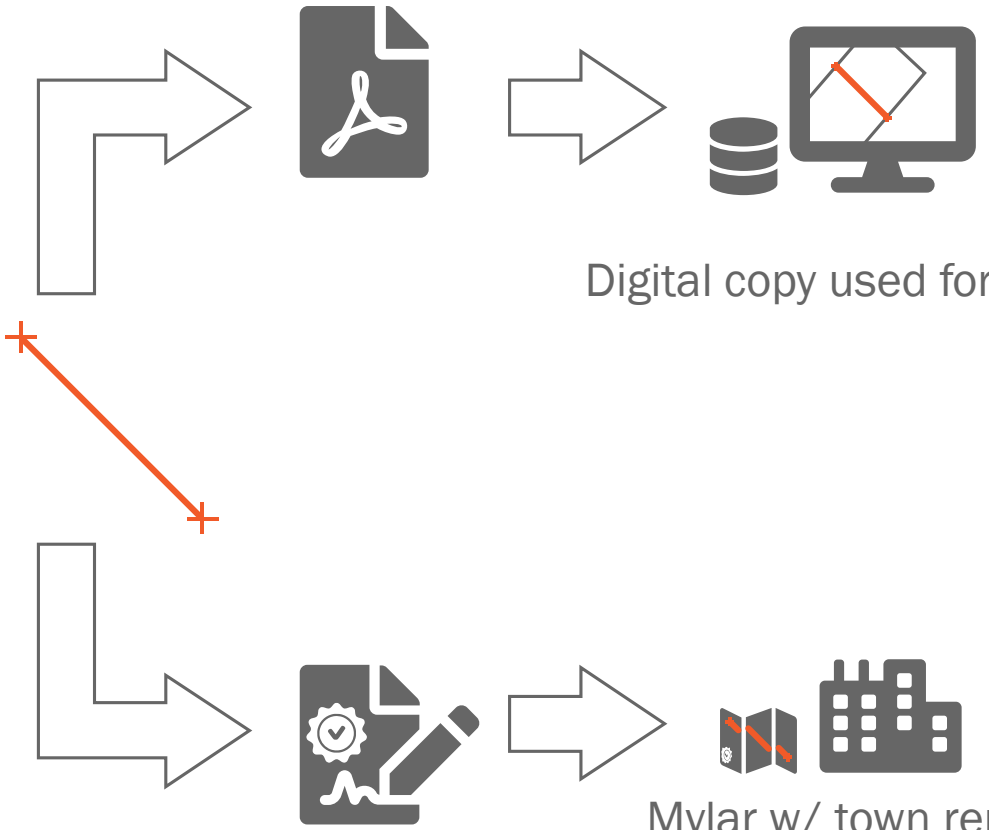


Effective January 1, 2020



Digital copy used for updates

Mylar w/ town remains authoritative document

VERMONT Survey Library

VCGI Parcel Program

Smart Editor

Draft Survey Library

Testing - from Description tab

Survey Title *

Preliminary Plat of Minor Subdivision All Star G

Name of Surveyor *

BM Paul

Email *

bmpaulssp@yahoo.com

Date of Survey *

8/18/2018

Survey Type

Subdivision

Town

New Haven

reviewed

reviewed

Attachments:

JIPNER-subdivmap66'.pdf X

Add: Browse... No file selected.

Warning: Changes to attachments are saved automatically

Edited by Publisher_VCGI on 7/29/19 at 1:59 PM

Edit Geometry

Clear Save

Find address or place

New Haven

(1 of 2)

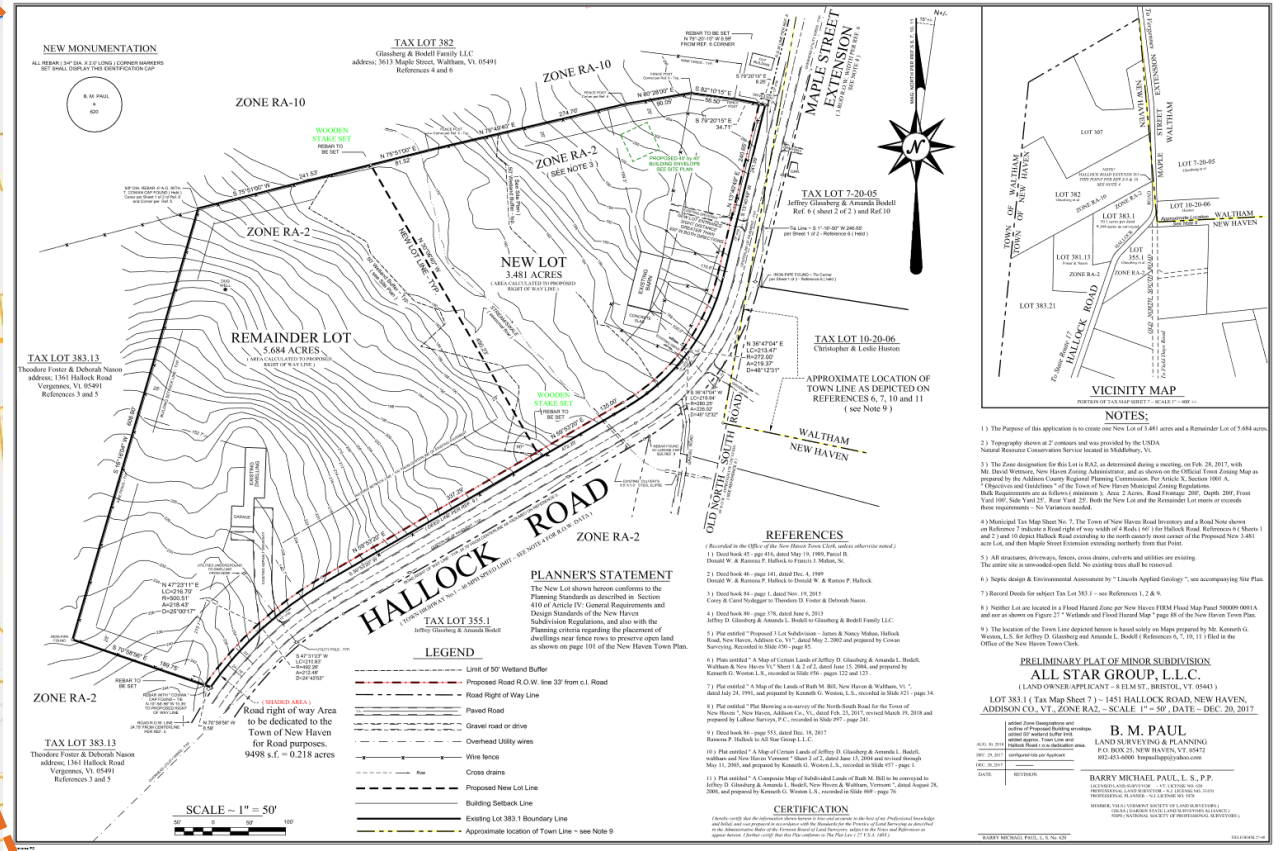
Preliminary Plat of Minor Subdivision All Star Group, LLC

Survey Title	Preliminary Plat of Minor Subdivision All Star Group, LLC
Name of Surveyor	BM Paul
Email	bmpaulssp@yahoo.com
Date of Survey	8/18/2018

Attachments:
JIPNER-subdivmap66'.pdf

Edited by Publisher_VCGI on 7/29/19 at 1:59 PM

Zoom to



Type 3 Towns

(Also useful for Types 1 & 2)

Will live at:

survey.vermont.gov

Effective: 01/01/2020

0.4mi

-73.178 44.076 Degrees

VCGI, Esri, HERE, Garmin, INCREMENT P, NGA, USGS | Esri, HERE

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Grand List Info
Applicable State Regs / Permits
Applicable Local Regs / Plans
Etc.
The Future?

Key Links

Parcel Program Overview

Parcel Program FAQ’s

Parcel Data

Parcel Viewer

Parcel Status App

Parcel Update Submission Form

//

Parcel Project Vendor Status Map

Parcel Upkeep: Summary

- Consistency of message of what parcel data is & is not (our teams, towns)
- 2020 & beyond Workflow:
  - Vendors / Creators directly to VCGI
  - Survey library backup for periodic VCGI upkeep
  - Staying in touch with creators & town reps
- Content: SPAN is most important
- Expectations: Some variability in current-ness, quality, coverage to resume post-project w/o direct payment; we'll do the best we can
- Future variables: Tax Dept., new property info. mgmt. system
- Use and promote current & future applications
- Maintaining info about towns' parcel mapping plans is important: let us know what you know!
- Overall: keeping in touch, making case for maintained, up to date GIS data

VERMONT

VERMONT CENTER FOR GEOGRAPHIC INFORMATION

VERMONT MUNICIPAL DAY 2019

STATEWIDE PARCEL PROGRAM

vcgi.vermont.gov/parcels

geodata.vermont.gov

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